

BUDAPEST TREATY ON THE INTERNATIONAL
RECOGNITION OF THE DEPOSIT OF MICROORGANISMS
FOR THE PURPOSES OF PATENT PROCEDURE

INTERNATIONAL FORM

F. Hoffmann-La Roche Ltd.
Grenzacherstr. 124
CH-4070 Basel

RECEIPT IN THE CASE OF AN ORIGINAL DEPOSIT
issued pursuant to Rule 7.1 by the
INTERNATIONAL DEPOSITARY AUTHORITY
identified at the bottom of this page

I. IDENTIFICATION OF THE MICROORGANISM	
Identification reference given by the DEPOSITOR: DSM 12490	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13653
II. SCIENTIFIC DESCRIPTION AND/OR PROPOSED TAXONOMIC DESIGNATION	
The microorganism identified under I. above was accompanied by: (X) a scientific description (X) a proposed taxonomic designation (Mark with a cross where applicable).	
III. RECEIPT AND ACCEPTANCE	
This International Depositary Authority accepts the microorganism identified under I. above, which was received by it on 2000-08-16 (Date of the original deposit) ¹ .	
IV. RECEIPT OF REQUEST FOR CONVERSION	
The microorganism identified under I above was received by this International Depositary Authority on (date of original deposit) and a request to convert the original deposit to a deposit under the Budapest Treaty was received by it on (date of receipt of request for conversion).	
V. INTERNATIONAL DEPOSITARY AUTHORITY	
Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): <i>V. Weils</i> Date: 2000-08-17

¹ Where Rule 6.4 (d) applies, such date is the date on which the status of international depositary authority was acquired.

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INTERNATIONAL FORM

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Grenzacherstr. 124
CH-4070 Basel

VIABILITY STATEMENT
issued pursuant to Rule 10.2 by the
INTERNATIONAL DEPOSITARY AUTHORITY
identified at the bottom of this page

<p>I. DEPOSITOR</p> <p>Name: F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 Address: CH-4070 Basel</p>	<p>II. IDENTIFICATION OF THE MICROORGANISM</p> <p>Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13653</p> <p>Date of the deposit or the transfer: 2000-08-16</p>		
<p>III. VIABILITY STATEMENT</p> <p>The viability of the microorganism identified under II above was tested on 2000-08-16¹. On that date, the said microorganism was</p> <p style="padding-left: 40px;"><input checked="" type="checkbox"/> viable</p> <p style="padding-left: 40px;"><input type="checkbox"/> no longer viable</p>			
<p>IV. CONDITIONS UNDER WHICH THE VIABILITY TEST HAS BEEN PERFORMED²</p> 			
<p>V. INTERNATIONAL DEPOSITARY AUTHORITY</p> <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH</p> <p>Address: Mascheroder Weg 1b D-38124 Braunschweig</p> </td> <td style="width: 50%; vertical-align: top;"> <p>Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):</p> <p style="text-align: center;"><i>V. Weis</i></p> <p>Date: 2000-08-17</p> </td> </tr> </table>		<p>Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH</p> <p>Address: Mascheroder Weg 1b D-38124 Braunschweig</p>	<p>Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):</p> <p style="text-align: center;"><i>V. Weis</i></p> <p>Date: 2000-08-17</p>
<p>Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH</p> <p>Address: Mascheroder Weg 1b D-38124 Braunschweig</p>	<p>Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):</p> <p style="text-align: center;"><i>V. Weis</i></p> <p>Date: 2000-08-17</p>		

- ¹ Indicate the date of original deposit or, where a new deposit or a transfer has been made, the most recent relevant date (date of the new deposit or date of the transfer).
- ² In the cases referred to in Rule 10.2(a) (ii) and (iii), refer to the most recent viability test.
- ³ Mark with a cross the applicable box.
- ⁴ Fill in if the information has been requested and if the results of the test were negative.

Form DSMZ-BP/9 (sole page) 0196

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I. IDENTIFICATION OF THE MICROORGANISM	
Identification reference given by the DEPOSITOR: DSM 11983	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13652
II. SCIENTIFIC DESCRIPTION AND/OR PROPOSED TAXONOMIC DESIGNATION	
The microorganism identified under I. above was accompanied by: <input checked="" type="checkbox"/> a scientific description <input checked="" type="checkbox"/> a proposed taxonomic designation (Mark with a cross where applicable).	
III. RECEIPT AND ACCEPTANCE	
This International Depositary Authority accepts the microorganism identified under I. above, which was received by it on 2000-08-16 (Date of the original deposit) ¹ .	
IV. RECEIPT OF REQUEST FOR CONVERSION	
The microorganism identified under I above was received by this International Depositary Authority on (date of original deposit) and a request to convert the original deposit to a deposit under the Budapest Treaty was received by it on (date of receipt of request for conversion).	
V. INTERNATIONAL DEPOSITARY AUTHORITY	
Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):  Date: 2000-08-17

¹ Where Rule 6.4 (d) applies, such date is the date on which the status of international depositary authority was acquired.

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Grenzacherstr. 124
CH-4070 Basel

VIABILITY STATEMENT
issued pursuant to Rule 10.2 by the
INTERNATIONAL DEPOSITARY AUTHORITY
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I. DEPOSITOR Name: F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 Address: CH-4070 Basel	II. IDENTIFICATION OF THE MICROORGANISM Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13652 Date of the deposit or the transfer: 2000-08-16		
III. VIABILITY STATEMENT The viability of the microorganism identified under II above was tested on 2000-08-16 ¹ . On that date, the said microorganism was <div style="margin-left: 40px;"> <input checked="" type="checkbox"/> viable <input type="checkbox"/> no longer viable </div>			
IV. CONDITIONS UNDER WHICH THE VIABILITY TEST HAS BEEN PERFORMED² <div style="height: 40px; border: 1px solid black;"></div>			
V. INTERNATIONAL DEPOSITARY AUTHORITY <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top; padding: 5px; border: none;"> Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig </td> <td style="width: 50%; vertical-align: top; padding: 5px; border: none;"> Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): <div style="text-align: center; font-family: cursive; font-size: 1.2em;">U. Weiss</div> Date: 2000-08-17 </td> </tr> </table>		Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): <div style="text-align: center; font-family: cursive; font-size: 1.2em;">U. Weiss</div> Date: 2000-08-17
Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): <div style="text-align: center; font-family: cursive; font-size: 1.2em;">U. Weiss</div> Date: 2000-08-17		


- ¹ Indicate the date of original deposit or, where a new deposit or a transfer has been made, the most recent relevant date (date of the new deposit or date of the transfer).
- ² In the cases referred to in Rule 10.2(a) (ii) and (iii), refer to the most recent viability test.
- ³ Mark with a cross the applicable box.
- ⁴ Fill in if the information has been requested and if the results of the test were negative.

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I. IDENTIFICATION OF THE MICROORGANISM	
Identification reference given by the DEPOSITOR: FJ-21	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13651
II. SCIENTIFIC DESCRIPTION AND/OR PROPOSED TAXONOMIC DESIGNATION	
The microorganism identified under I. above was accompanied by: <input checked="" type="checkbox"/> a scientific description <input checked="" type="checkbox"/> a proposed taxonomic designation (Mark with a cross where applicable).	
III. RECEIPT AND ACCEPTANCE	
This International Depositary Authority accepts the microorganism identified under I. above, which was received by it on 2000-08-16 (Date of the original deposit) ¹ .	
IV. RECEIPT OF REQUEST FOR CONVERSION	
The microorganism identified under I. above was received by this International Depositary Authority on (date of original deposit) and a request to convert the original deposit to a deposit under the Budapest Treaty was received by it on (date of receipt of request for conversion).	
V. INTERNATIONAL DEPOSITARY AUTHORITY	
Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):  Date: 2000-08-17

¹ Where Rule 6.4 (d) applies, such date is the date on which the status of international depositary authority was acquired

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VIABILITY STATEMENT
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I. DEPOSITOR Name: F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 Address: CH-4070 Basel	II. IDENTIFICATION OF THE MICROORGANISM Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13651 Date of the deposit or the transfer: 2000-08-16		
III. VIABILITY STATEMENT The viability of the microorganism identified under II above was tested on 2000-08-16 ¹ . On that date, the said microorganism was <div style="margin-left: 40px;"> <input checked="" type="checkbox"/> viable <input type="checkbox"/> no longer viable </div>			
IV. CONDITIONS UNDER WHICH THE VIABILITY TEST HAS BEEN PERFORMED² <div style="height: 40px;"></div>			
V. INTERNATIONAL DEPOSITARY AUTHORITY <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig </td> <td style="width: 50%; vertical-align: top;"> Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): <div style="text-align: center; font-family: cursive; font-size: 1.2em;">V. Wechs</div> Date: 2000-08-17 </td> </tr> </table>		Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): <div style="text-align: center; font-family: cursive; font-size: 1.2em;">V. Wechs</div> Date: 2000-08-17
Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): <div style="text-align: center; font-family: cursive; font-size: 1.2em;">V. Wechs</div> Date: 2000-08-17		


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I. IDENTIFICATION OF THE MICROORGANISM	
Identification reference given by the DEPOSITOR: NA-21	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13650
II. SCIENTIFIC DESCRIPTION AND/OR PROPOSED TAXONOMIC DESIGNATION	
The microorganism identified under I. above was accompanied by: <input checked="" type="checkbox"/> a scientific description <input checked="" type="checkbox"/> a proposed taxonomic designation (Mark with a cross where applicable).	
III. RECEIPT AND ACCEPTANCE	
This International Depositary Authority accepts the microorganism identified under I. above, which was received by it on 2000-08-16 (Date of the original deposit) ¹ .	
IV. RECEIPT OF REQUEST FOR CONVERSION	
The microorganism identified under I. above was received by this International Depositary Authority on (date of original deposit) and a request to convert the original deposit to a deposit under the Budapest Treaty was received by it on (date of receipt of request for conversion).	
V. INTERNATIONAL DEPOSITARY AUTHORITY	
Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):  Date: 2000-08-17




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I. DEPOSITOR Name: F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 Address: CH-4070 Basel	II. IDENTIFICATION OF THE MICROORGANISM Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13650 Date of the deposit or the transfer ¹ : 2000-08-16		
III. VIABILITY STATEMENT The viability of the microorganism identified under II above was tested on 2000-08-16 ² . On that date, the said microorganism was <div style="margin-left: 40px;"> <input checked="" type="checkbox"/> viable <input type="checkbox"/> no longer viable </div>			
IV. CONDITIONS UNDER WHICH THE VIABILITY TEST HAS BEEN PERFORMED³ <div style="height: 40px; border: 1px solid black;"></div>			
V. INTERNATIONAL DEPOSITARY AUTHORITY <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top; padding: 5px; border-right: 1px solid black;"> Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig </td> <td style="width: 50%; vertical-align: top; padding: 5px;"> Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): <div style="text-align: center; margin-top: 20px;">  </div> Date: 2000-08-17 </td> </tr> </table>		Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): <div style="text-align: center; margin-top: 20px;">  </div> Date: 2000-08-17
Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s): <div style="text-align: center; margin-top: 20px;">  </div> Date: 2000-08-17		


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I. IDENTIFICATION OF THE MICROORGANISM	
Identification reference given by the DEPOSITOR: NA-20	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13649
II. SCIENTIFIC DESCRIPTION AND/OR PROPOSED TAXONOMIC DESIGNATION	
The microorganism identified under I. above was accompanied by: <input checked="" type="checkbox"/> (X) a scientific description <input checked="" type="checkbox"/> (X) a proposed taxonomic designation (Mark with a cross where applicable)	
III. RECEIPT AND ACCEPTANCE	
This International Depositary Authority accepts the microorganism identified under I. above, which was received by it on 2000-08-16 (Date of the original deposit) ¹ .	
IV. RECEIPT OF REQUEST FOR CONVERSION	
The microorganism identified under I above was received by this International Depositary Authority on (date of original deposit) and a request to convert the original deposit to a deposit under the Budapest Treaty was received by it on (date of receipt of request for conversion).	
V. INTERNATIONAL DEPOSITARY AUTHORITY	
Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):  Date: 2000-08-17

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VIABILITY STATEMENT

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I. DEPOSITOR	II. IDENTIFICATION OF THE MICROORGANISM
Name: F. Hoffmann-La Roche Ltd. Grenzacherstr. 124 Address: CH-4070 Basel	Accession number given by the INTERNATIONAL DEPOSITARY AUTHORITY: DSM 13649 Date of the deposit or the transfer ¹ : 2000-08-16
III. VIABILITY STATEMENT	
The viability of the microorganism identified under II above was tested on 2000-08-16 ² . On that date, the said microorganism was (X) ³ viable () ³ no longer viable	
IV. CONDITIONS UNDER WHICH THE VIABILITY TEST HAS BEEN PERFORMED ⁴	
V. INTERNATIONAL DEPOSITARY AUTHORITY	
Name: DSMZ-DEUTSCHE SAMMLUNG VON MIKROORGANISMEN UND ZELLKULTUREN GmbH Address: Mascheroder Weg 1b D-38124 Braunschweig	Signature(s) of person(s) having the power to represent the International Depositary Authority or of authorized official(s):  Date: 2000-08-17

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